

Pol Raikin

Equipment for cycle tracks, trestles and bridges.

Abstract

The purpose of the equipment is easing the cycling conditions for cyclists and other operator powered vehicles. It makes it easier to enter short steep ascents (bridges and trestles) by using the cyclist's hand and leg muscles and the power of the cyclist's weight.

At that, hand-rails and gutter for cycle's wheels are applied. Additional equipment on elevated cycle tracks (roof and transparent side walls) protects against the effect of rain, hot weather, cold weather and contrary wind. Jalousies in the walls let through only winds that are blowing in the direction of the cyclist's movement. Special wind-catchers can be used, which concentrate outer air flow and turn it to the direction of the cyclist's movement. On elevated cycle tracks, rented bicycles can be widely used. The carrying capacity of a two-row, one and a half meters wide cycle track will equal to eight thousand cyclists per hour. Using a modernized bicycle will increase the carrying capacity of ordinary or elevated cycle tracks up to twenty-twenty five thousand cyclists per hour as in subway. Small dimensions, absence of noise, exhaust and vibration allows this cycle track to choose optimal routs and when it is needed, to go through buildings and offices and in the same time provide the residents and personal with rented bicycles. This way, the transportation problem can be reduced by delivering passengers "door to door". The same way, solving of fuel and ecological problems as well as the aim of bringing the population into a healthy state is made easier. At the same time, solving of some serious economical problems is made easier as well as decreasing of the number of traffic accidents can be reached.

11 Claims, 2 Drawing Sheets

Inventor: Pol Raikin

